

a support which is joined to opposed sides of the frame and to spaced apart locations of the hopper to transfer weight of the hopper to the frame, the support including at least one weight sensing device which senses a weight of seed grain in the hopper transferred through the support to the frame and provides an output of the sensed weight of the seed grain in the hopper; and

B, a display, coupled to the output, for displaying the weight of the seed grain contained in the hopper[.]; and wherein

the support comprises a pair of weight bearing supports which are respectively joined to the opposed sides of the frame, each weight bearing support including first and second vertical parts which are respectively attached to the hopper at the spaced apart locations separated along a longitudinal dimension of the grain drill and a horizontal part joined to the vertical parts and attached to the frame; and

the at least one weight sensing device comprises first and second load cells associated with each of the pair of weight bearing supports, the first load cell being loaded with weight transferred from the first vertical part to the horizontal part and the second load cell being loaded with weight transferred from the second vertical part to the horizontal part.

[Please cancel claims 2 and 3 without disclaimer or prejudice.

2
4. (Amended) A grain drill in accordance with claim [3] 1
wherein:

B2 a first end of the first and second vertical parts is attached to the hopper and a second end of the first and second vertical parts is respectively attached to spaced apart locations of the horizontal part to transfer the weight of the seed grain in the hopper to the horizontal part; and

the horizontal part has first and second horizontal extensions, the first horizontal extension having a first end which is coupled to the frame and includes the first load cell and a second end which is deflected downward by the weight of the seed grain in the hopper and which is attached to the second end of the first vertical part and the second horizontal extension having a first end which is coupled to the frame and includes the second load cell and a second end which is deflected downward by the weight of the seed grain in the hopper and which is attached to the second end of the second vertical part.

Please cancel claims ~~15~~ and ~~16~~ without disclaimer or prejudice.

28. (Twice Amended) A grain drill in accordance with claim [2] 1 wherein:

at least one weight bearing support has at least a part extending in a direction along a width of a grain drill part extending beyond a width of a portion of the frame to which the weight bearing support is attached.

29. (Amended) A method for modifying a grain drill having a frame having a plurality of wheels for supporting the grain drill during rolling over a surface of ground to be planted with seed grain and a hopper joined to the frame for containing the seed grain to be planted comprising:

raising the hopper upward from the frame to separate the hopper from being joined to the frame;

positioning a support between the hopper and the frame to join the support to opposed sides of the frame and to spaced apart positions of the hopper to support the hopper in a raised position above the frame, the positioned support transferring weight of the hopper to the frame and including at least one weight sensing device which senses a weight of ~~the~~ seed grain in the hopper transferred through the support to the frame and which provides an output of the sensed weight of the seed grain in the hopper; and

providing a display on the grain drill for displaying the weight of the seed grain contained in the hopper[.]; and wherein

B₄
the support comprises a pair of weight bearing supports which are respectively joined to the opposed sides of the frame, each weight bearing support including first and second vertical parts which are respectively attached to the hopper at the spaced apart locations separated along a longitudinal dimension of the grain drill and a horizontal part joined to the vertical parts and attached to the frame; and

the at least one weight sensing device comprises first and second load cells associated with each of the pair of weight bearing supports, the first load cell being loaded with weight transferred from the first vertical part to the horizontal part and the second load cell being loaded with weight transferred from the second vertical part to the horizontal part.

Please cancel claims 30 and 31 without disclaimer or prejudice.

32. (Amended) A method in accordance with claim [31] 29 95

wherein:

B₅ a first end of the first and second vertical parts is attached to the hopper and a second end of the first and second vertical parts are respectively attached to spaced apart locations of the horizontal part to transfer the weight of the seed grain in the hopper to the horizontal part;

the horizontal part has first and second horizontal extensions, the first horizontal extension having a first end which is coupled to the frame and includes the first load cell and a second end which is deflected downward by the weight of the seed grain in the hopper and which is attached to the second end of the first vertical part and the second horizontal extension having a first end which is coupled to the frame and includes the second load cell and a second end which is deflected downward by the weight of the seed grain in the hopper and which is attached to the second end of the second vertical part.

REMARKS

The claims have been amended to place them in condition for allowance by incorporating in the independent claims the subject matter of claims 3 and 31 which have been indicated to be patentable over the prior art.

Early allowance of the claims as amended is respectfully requested.